

IN THE CLAIMS

Please cancel claims 2, 9 and 10 without prejudice or disclaimer and amend claim 1 as set forth below.

1. (Currently Amended) A digital broadcasting system comprising:

a digital broadcasting transmission apparatus for broadcasting data groups; and

a digital broadcasting receive apparatus for receiving said data groups ~~directly or indirectly through a data distribution part,~~;

wherein the digital broadcasting data groups contain in a multiplexed form:

ordinary data to be broadcasted as present programs;

identification data for identifying the data broadcasted in the past or that to be broadcasted in the future; and

index data multiplexed to ensure that said identification data for identifying the data broadcasted in the past or that to be broadcasted in the future is associated with the time of broadcast and the storage location permitting downloading of the broadcast data, thereby forming the data for digital broadcasting;

wherein the index data is repeatedly broadcast; and

wherein said digital broadcast received apparatus
comprises:

a data receiving means for receiving said digital
broadcasting;

a data storage means for storing said ordinary
broadcasting data and said index data separately from each
other, from the received digital broadcasting data;

an input means for receiving a request for downloading
the broadcasting data;

a data control means for searching a storage location
permitting downloading of broadcasting data, when said
broadcasting data requested to be downloaded is not stored in
said storage means, by referencing the index data
corresponding to the requested broadcasting data, and for
capturing the broadcasting data from said storage location
through the network; and

a distribution means for sending the data requested to be
downloaded, to the requested destination~~wherein said digital~~
~~broadcasting transmission apparatus has a transmission means~~
~~for multiplexing, in which ordinary data that are presently~~
~~on broadcasting, identification data that permit to~~
~~discriminate between a datum broadcast already and a datum to~~
~~be broadcast in the future, and index data that relate such~~

~~identification data to broadcasting hours thereof, are multiplexed to compose data to be digitally broadcast, and for broadcasting said index data repeatedly.~~

2. (Canceled)

3. (Previously Presented) A digital broadcasting system of claim 1, wherein said digital broadcasting transmission apparatus adds distinctive identifiers individually to said ordinary data and said index data.

4. (Previously Presented) A digital broadcasting system of Claim 1, wherein said digital broadcasting receive apparatus has a data separation means for identifying said ordinary data and said index data separately among the received data groups of digital broadcasting.

5. (Previously Presented) A digital broadcasting system of Claim 4, wherein said digital broadcasting receive apparatus has a judge means for determining whether an original data are downloaded in the apparatus itself or not by referring to a data ID in said received index data.

6. (Original) A digital broadcasting system of claim 5, wherein said digital broadcasting receive apparatus is a mobile terminal, and has a download request means for allowing to select the necessity for downloading by displaying index data of an original data not downloaded yet.

7. (Original) A digital broadcasting system of claim 6, wherein said mobile terminal has a transmission means for putting out contents requested by said download request means, and a receive means for receiving digital broadcasting contents or download data selectively.

8. (Previously Presented) A digital broadcasting system of claim 7, wherein said transmission means of said mobile terminal adds and puts out said requested contents with a public-key used exclusively for an individual user or an individual terminal.

9. and 10. (Canceled)

11. (Original) A digital broadcasting system of claim 10, wherein said information service station has a security

management means for encrypting said download data by using a cipher key specified by said requester.

12. (Previously Presented) A digital broadcasting system of Claim 10, wherein said information service station transmits a verification information for verifying a fact that said requester obtains an distributed information along with said download data, and acknowledges a response to said verification information, and processes a billing operation.

13. (Previously Presented) A mobile terminal embedding a computer that executes plural software programs installed therein including a map navigation program comprising:

a communication means for receiving digital broadcasting contents;

an input means for accepting an operation input by a user;

an information memory means for storing programs and related data;

a display means for displaying an execution result of programs and a operation screen; and

a control means for managing captured programs and data from said communication means and said input means, wherein

said information memory means stores management information data including an information ID of said programs and data independently of said programs and data themselves; and

said mobile terminal receives, as a time division multiplex data of said digital broadcasting contents and along with ordinary data that is said programs and related data presently on-broadcasting, index data that relate data identification information to broadcasting hours of data broadcast already or scheduled for broadcasting, and displays said data identification information and corresponding broadcasting hours contained in said index data received.

14. (Previously Presented) A mobile terminal of Claim 13, wherein

when said control means receives said index data as time division multiplex data of said digital broadcasting contents through said communication means, said control means extracts data IDs of data not yet downloaded from among data covered by said index data by referring to management data stored in said information memory means, and displays said data IDs with said display means.

15. (Previously Presented) A mobile terminal of claim 13, wherein

said input means has an external media input means allowing an IC card and/or an external memory media to be inserted, and

when a designated memory media is inserted and a download operation is requested by said input means, said management data stored in said information memory means are read out and stored in an inserted memory media.

16. (Original) A mobile terminal of claim 15, wherein said designated memory media is an IC card, and stores a mobile terminal number and/or user number, and a cipher key for download operation.

17-24. (Canceled)

25. (Previously Presented) A digital broadcasting system of claim 2, wherein said digital broadcasting receiver apparatus is an information service station and has a data receiver for receiving said digital broadcasting contents, and a data memory means for storing said ordinary data and said index data separately among received data groups.

26. (Previously Presented) A digital broadcasting system of claim 3, wherein said digital broadcasting receiver apparatus is an information service station and has a data receiver for receiving said digital broadcasting contents, and a data memory means for storing said ordinary data and said index data separately among received data groups.